



## Benefits:

- Slightly narrow beam in the endfire direction
- Wide beam in the broadside direction
- Very thin form factor
- Cost effective

## Applications:

- Electronic Article Surveillance pedestals, that combine acousto-magnetic and RFID technologies
- Point of Sales systems

## Product overview

Advantenna-p12 is a compact RFID UHF antenna with circular polarization and a radiation pattern characterized by a 90° beam width in the broadside direction and a 60° beam width in the endfire direction.

Advantenna-p12 has a very thin form factor. This allows to integrate the antenna inside thin objects .

Advantenna-p12 is ideal for loss-prevention systems at retail stores. Advantenna-p12 can be embedded inside pedestals of electronic article surveillance (EAS) based on acousto-magnetic technology, transforming such pedestals into hybrid systems that include two technologies simultaneously: acousto-magnetic and RFID.

## Connector options



Flange straight



Flange right angle



Edge mount

## Specifications

Operating Frequency EU Version	865 - 868 MHz (ETSI EN 302 208)
Operating Frequency US Version	902 - 928 MHz (FCC part 15)
Operating Detection distance	Up to 3.5 m
Gain	5.3 dBi (EU version), 5.3 dBi (US version)
Beam width	60° / 90°
Polarization	Circular
Input Impedance	50 Ω
Connector	SMA or MCX Flange, flange right angle, or edge mount In case of edge mount can be mounted on the long side or on the short side of the antenna
Temperature range	-20°C to +130°C
Size excluding connector	277 mm x 137 mm x 3.3 mm 10.8 inches x 5.4 inches x 0.13 inches
Size with edge mount connector	277 mm x 137 mm x 8 mm 10.8 inches x 5.4 inches x 0.3 inches
Size with flange connector	277 mm x 137 mm x 15 mm 10.8 inches x 5.4 inches x 0.6 inches
Antenna weight	230 g

## Radiation pattern

